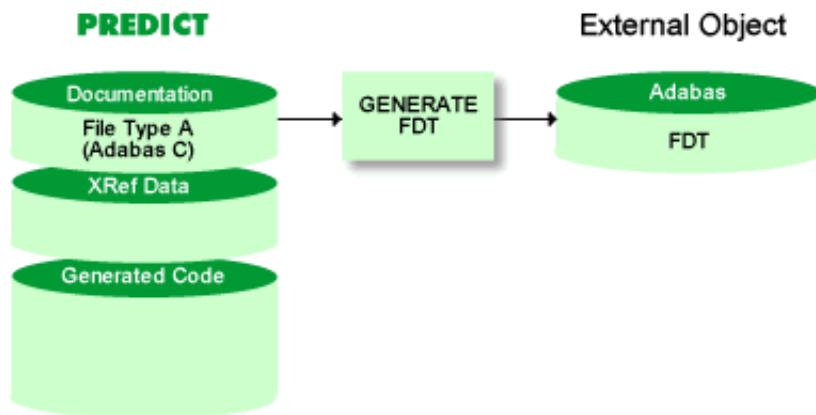


Adabas File

The function generates an Adabas FDT from a Predict file object of type A (Adabas).



Note:

If Natural Security and Adabas Online Services are installed and function protection for Predict is activated, permission is required to generate an Adabas file.

Note for UNIX, Windows NT and VMS Users:

With this function you can generate input for the ADAFDU utility to create a new file in your Adabas database. For existing files the FDT and the documentation of the file are compared and the input, necessary to adapt the existing FDT for the utilities ADAINV and ADADBM, is generated. The utilities are started immediately. This method automatically creates a connection between external and documentation object. Before you can delete the documentation object, you must either delete the external object (with the administration function Purge) or disconnect the external and documentation object (with function Disconnect). See also section Handling of External and documentation Objects in this documentation.

A file generated with this method is handled like a file created with Adabas Online Services.

Calling the Function

The Generate Adabas file screen is displayed with function G and code AF in a Predict main menu, or with the command GENERATE FDT.

On mainframes, the following screen is displayed:

```

13:21:46      ***** P R E D I C T  4.2.2  *****
Plan    0      - Generate ADABAS C file -
Current VM ..... HOME

File ID ..... HNO-A-FILE
Phys. file number .....
Contained in DA .....
Phys. database number ..... 36

Load file into database ... Y (Y/N) Replace if only FDT exists .... N (Y/N)
Update/add fields (FDT) ... N (Y/N)
Update file parameters .... N (Y/N) Replace if no records loaded .. N (Y/N)

Change file number ..... N (Y/N)
Format DS/Index ..... Y (Y/N)
ADABAS password .....

List actions ..... Y (Y/N)

Command ===>
Enter-PF1---PF2---PF3---PF4---PF5---PF6---PF7---PF8---PF9---PF10--PF11--PF12---
Help Next Stop Last LnkEl Flip Print Impl AdmFi SelFi Prof Main

```

On Open System platforms, the following screen is displayed:

```

13:28:33      ***** P R E D I C T  4.2.2  *****
2002-07-31
Plan    0      - Generate ADABAS C file -

Current VM ..... HOME

File ID ..... STK-1
Phys. file number .....
Contained in DA .....
Phys. database number .....

Load file into database ... Y (Y/N) Replace if only FDT exists .... N (Y/N)
Update/add fields (FDT) ... N (Y/N)
Update file parameters .... N (Y/N) Replace if no records loaded .. N (Y/N)

Change file number ..... N (Y/N) ADABAS version ..... * U1
Format DS/Index ..... Y (Y/N) Contiguous AC ..... N (Y/N)
ADABAS password ..... Contiguous DS ..... N (Y/N)
Contiguous NI ..... N (Y/N)
Contiguous UI ..... N (Y/N)

List actions ..... Y (Y/N)

Command ===>

```

Values for input fields which have been locked by your data dictionary administrator cannot be overwritten. These fields are skipped when positioning the cursor with the TAB key. See Generation Defaults.

The following parameters can only be set with the function Defaults > Generation Defaults for object type AF.

Default Parameters

Delay after stop users	<p>Enter a value of up to 99 seconds. This is the time the system waits before actually performing the generation if parameter Stop users using file is set to Y. See below.</p> <p>Due to Adabas load or too much network traffic, it is possible that not all users have been stopped before the function Generate Adabas file is executed. This delay makes certain that all users really have been stopped before an Adabas file is generated.</p>
Delay after online invert	<p>The online invert function of Adabas version 7 is executed as an asynchronous task. Only one online invert task may be active at a given time.</p> <p>Enter a value of up to 99 seconds. This is the time the system waits after one online invert before performing the next.</p> <p>Note: This parameter applies only when generating for Adabas databases of version 7 or above.</p>
Stop users using file	<p>Y All current use of the Adabas file is stopped before a generation run is executed. This parameter must be set to Y on a separate terminal if a file currently used by other users is to be regenerated.</p> <p>N The function is terminated if other users are accessing the file.</p> <p>Note: If Natural Security and Adabas Online Services are installed and function protection for Predict is activated, permission is required to stop users using an Adabas file.</p>
Current VM	Adabas files can only be generated from Predict file objects contained in databases accessible from the current virtual machine.
Parameters	
File ID, Phys. file number, Contained in DA, Phys. database number	The Adabas file definitions can be generated for one specific Adabas file in a database. This file can be identified by the fields File ID, Phys. file number, Database ID or Phys. database number. If parameters do not uniquely identify a file, a selection screen appears.
Load file into database	Y If no file already exists with given file number, a new file is created in the Adabas database.
Update/add fields (FDT)	Y Fields documented in Predict and missing in the FDT are added to the Adabas file. The field length in the FDT is adapted to the value in the Predict object, and fields defined as descriptors in the FDT but not in the Predict documentation are released from descriptor status.
Update file parameters	Y File parameters, including the file space allocation, are adapted to the documentation. If the Adabas file is physically coupled to other files and these relationships are not documented, the files are uncoupled.
Change file number	Y If the Predict file object was renumbered, the Adabas file is renumbered.
Format DS/Index	DATA storage is to be physically formatted.
Adabas password	Must be provided if the Adabas file (or only an FDT) already exists in the Adabas database and is protected by an Adabas security definition.

List actions	Y Actions which are to be performed to adapt the Adabas file to the Predict specification are listed. Some of the actions may not yet be performed by this generation function: they must be run as batch utilities. The list shows all parameters which are used for generation. Parameters which are invalid or currently not able to be implemented are marked accordingly.
Replace if only FDT exists	Y If a file with this file number once existed in the database and was deleted with the KEEPFDT option, the remaining FDT is overwritten. Note: The FDT of the file will not be deleted if the generation terminates abnormally, for example if the field list in Predict contains invalid field definitions.
Replace if no records loaded	Y The Adabas file parameters are replaced, because it is not possible to modify all parameters of an existing file. Replacement is only possible if the Adabas file is empty and is not physically coupled to other Adabas files. The current FDT is kept.
Additional Parameters for UNIX	
Adabas version	The version of Adabas for which the external object is to be generated. Enter an asterisk for valid values or see Adabas Version for more information.
Contiguous AC, DS, NI, UI	Setting of space allocations in Adabas utility ADAFDU for Address Converter, Data Storage, Normal Index and Upper Index. See your Adabas Utilities documentation for more information.

Generate Adabas File in Batch Mode

Command: GENERATE FDT

Enter parameters on next line in positional or keyword form. File ID is obligatory, all other parameters are optional. If a parameter is not specified, the default value is taken.

Field	Keyword	Position
File ID	FILE-ID	1
Phys. file number	FNR	2
Database ID	DB	3
Phys. database number	DBNR	4
Load file into database	LOAD	5
Replace if only FDT exists	REPLACE-FDT	6
Update/add fields (FDT)	UPD-FDT	7
Update file parameters	UPD-PARM	8
Replace if no records loaded	REPLACE-EMPTY	9
Note: Value exists for compatibility reasons only	REPLACE-CRIT	10
Change file number	RENUMBER	11
Format DATA storage	DATAFRM	12
Adabas password	PSW	13
List actions	LIST	14
Stop users using file	STOPF	15

Sample Output

13:07:37	***** P R E D I C T 4.2.2 ***** - Generate ADABAS C file -	2002-07-31																																																																																																																																													
File ID GENERATION-EXAMPLE Database ID .. DEMO-DB		PFnr ... 171 PDBnr .. 180																																																																																																																																													
<table border="0" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>Action</th> <th>Parameter</th> <th>Remark</th> </tr> </thead> <tbody> <tr><td>DEFFDT</td><td>FILE=171</td><td></td></tr> <tr><td></td><td>FNDEF='01,AA'</td><td></td></tr> <tr><td></td><td>Field: GROUP-1</td><td></td></tr> <tr><td></td><td>FNDEF='02,AB,14,U,NU'</td><td></td></tr> <tr><td></td><td>Field: ELE-N-9V5</td><td></td></tr> <tr><td></td><td>FNDEF='02,AC'</td><td></td></tr> <tr><td></td><td>Field: GR-IN-GROUP</td><td></td></tr> <tr><td></td><td>FNDEF='03,AD,4,B,DE,FI'</td><td></td></tr> <tr><td></td><td>Field: ELE-B-4</td><td></td></tr> <tr><td></td><td>FNDEF='03,AE,4,P,NU'</td><td></td></tr> <tr><td></td><td>Field: ELE-PS-5V2</td><td></td></tr> <tr><td></td><td>FNDEF='03,AF,4,B,NU,MU'</td><td></td></tr> <tr><td></td><td>Field: MU-B-4</td><td></td></tr> <tr><td></td><td>FNDEF='02,AG,42,A,NU'</td><td></td></tr> <tr><td></td><td>Field: ELE-A-42</td><td></td></tr> <tr><td></td><td>FNDEF='02,AH,8,G,FI'</td><td></td></tr> <tr><td></td><td>Field: ELE-F-8</td><td></td></tr> <tr><td></td><td>FNDEF='02,AI,3,B,NU'</td><td></td></tr> <tr><td></td><td>Field: ELE-B-3</td><td></td></tr> <tr><td></td><td>FNDEF='01,AL,PE'</td><td></td></tr> <tr><td></td><td>Field: PC-OCC-7</td><td></td></tr> <tr><td></td><td>FNDEF='02,AM,10,U,DE,NU'</td><td></td></tr> <tr><td></td><td>Field: PC-ELE-DE-NS-7V3</td><td></td></tr> <tr><td></td><td>FNDEF='02,AN,4,P,DE,NU,MU'</td><td></td></tr> <tr><td></td><td>Field: PC-MC-PS-6V1</td><td></td></tr> <tr><td></td><td>FNDEF='02,AO'</td><td></td></tr> <tr><td></td><td>Field: PC-GR</td><td></td></tr> <tr><td></td><td>FNDEF='03,AP,2,B,FI'</td><td></td></tr> <tr><td></td><td>Field: PC-ELE-I-2</td><td></td></tr> <tr><td></td><td>FNDEF='03,AQ,14,P,NU'</td><td></td></tr> <tr><td></td><td>Field: PC-PS-20V7</td><td></td></tr> <tr><td></td><td>FNDEF='02,AR,4,G,FI'</td><td></td></tr> <tr><td></td><td>Field: PC-ELE-F-4</td><td></td></tr> <tr><td></td><td>FNDEF='01,AS,4,P,NU'</td><td></td></tr> <tr><td></td><td>Field: ELE-D</td><td></td></tr> <tr><td></td><td>FNDEF='01,AT,7,P,NU'</td><td></td></tr> <tr><td></td><td>Field: ELE-T</td><td></td></tr> <tr><td></td><td>FNDEF='01,AU,1,B,NU'</td><td></td></tr> <tr><td></td><td>Field: ELE-L</td><td></td></tr> <tr><td></td><td>SUBFN='AJ=AG(10,14)'</td><td></td></tr> <tr><td></td><td>Field: SB-ELE-A-5</td><td></td></tr> <tr><td></td><td>SUPDE='S1=AI(1,3),AG(20,36),--'</td><td></td></tr> <tr><td></td><td>'AE(1,4)'</td><td></td></tr> <tr><td></td><td>Field: SP-DE-A-24</td><td></td></tr> <tr><td></td><td>HYPDE='04,S2,4,F,MU,PE=AP,AF'</td><td></td></tr> <tr><td></td><td>Field: HQ-DE-I-4</td><td></td></tr> </tbody> </table>			Action	Parameter	Remark	DEFFDT	FILE=171			FNDEF='01,AA'			Field: GROUP-1			FNDEF='02,AB,14,U,NU'			Field: ELE-N-9V5			FNDEF='02,AC'			Field: GR-IN-GROUP			FNDEF='03,AD,4,B,DE,FI'			Field: ELE-B-4			FNDEF='03,AE,4,P,NU'			Field: ELE-PS-5V2			FNDEF='03,AF,4,B,NU,MU'			Field: MU-B-4			FNDEF='02,AG,42,A,NU'			Field: ELE-A-42			FNDEF='02,AH,8,G,FI'			Field: ELE-F-8			FNDEF='02,AI,3,B,NU'			Field: ELE-B-3			FNDEF='01,AL,PE'			Field: PC-OCC-7			FNDEF='02,AM,10,U,DE,NU'			Field: PC-ELE-DE-NS-7V3			FNDEF='02,AN,4,P,DE,NU,MU'			Field: PC-MC-PS-6V1			FNDEF='02,AO'			Field: PC-GR			FNDEF='03,AP,2,B,FI'			Field: PC-ELE-I-2			FNDEF='03,AQ,14,P,NU'			Field: PC-PS-20V7			FNDEF='02,AR,4,G,FI'			Field: PC-ELE-F-4			FNDEF='01,AS,4,P,NU'			Field: ELE-D			FNDEF='01,AT,7,P,NU'			Field: ELE-T			FNDEF='01,AU,1,B,NU'			Field: ELE-L			SUBFN='AJ=AG(10,14)'			Field: SB-ELE-A-5			SUPDE='S1=AI(1,3),AG(20,36),--'			'AE(1,4)'			Field: SP-DE-A-24			HYPDE='04,S2,4,F,MU,PE=AP,AF'			Field: HQ-DE-I-4	
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Sample Output - Continued

13:07:37	***** P R E D I C T 4.2.2 *****	2002-07-31
	- Generate ADABAS C file -	
File ID	GENERATION-EXAMPLE	PFnr ... 171
Database ID ..	DEMO-DB	PDBnr .. 180
Action	Parameter	Remark
LOADFILE	NOACCEXTENSION=NO MIXDSDEV=NO DATAFRM=YES MAXISN=3391 NAME=GENERATION-EXAMPLE MINISN=1 ASSOPFAC=10 DATAPFAC=10 PGMREFRESH=NO ISNREUSE=NO	
LOADFILE	DSREUSE=YES MAXDS=0 MAXNI=0 MAXUI=0 CIPHER=NO MAXRECL=5060 UISIZE=41B NISIZE=80B DSSIZE=233B DSDEV=3390	